

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 58-190290

(43)Date of publication of application : 07.11.1983

(51)Int.Cl.

H02P 3/04

B26D 5/08

(21)Application number : 57-069671

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(22)Date of filing : 27.04.1982

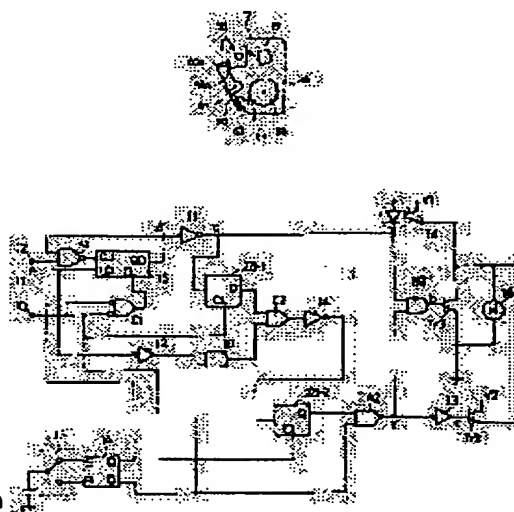
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(54) CONTROLLER FOR DC MOTOR

(57)Abstract:

PURPOSE: To accurately stop a DC motor at the prescribed position by pressing a brake disc by engaging a cam which is connected to a rotary cutter that is driven by the motor with a lever which is disposed in the vicinity of the cam.

CONSTITUTION: A transistor Tr2 is conducted, Tr3 is interrupted at the time after the braking time when the Tr3 is conducted, and a low voltage is applied to the motor 16. When a cam 59 which is mounted on the rotational shaft of a rotary cutter (not shown) that is driven by the motor 16 is rotated to the position shown in the drawing, a microswitch 13 is opened, an FF 14 is set, Q output is inverted to "0", and the Tr3 is accordingly conducted through an NAND gate A2 and an AND gate B2, thereby again braking the motor 16. Simultaneously, since the cam 59 presses the projection 60a of a lever 60 by the inertia of the motor 16, a brake pad 63 which is secured to a leaf spring 62 at the other end of the lever 60 presses the brake disc 64 which is secured to the shaft of the motor 16, thereby stopping the motor 16.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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